

7
CLAIMS

What is claimed is:

1. Apparatus comprising:

a tensing element connected at one end thereof to a supporting structure and at another end thereof to a cover, wherein movement of said cover imparts a force on said tensing element;

an actuator adapted to move said tensing element; and

a sensing device adapted to sense an equilibrium force position of said tensing element, wherein if said force changes the equilibrium force position said sensing device instructs said actuator to change a tension imparted by said tensing element on said cover.

2. Apparatus according to claim 1, wherein if said force is greater than the equilibrium force position said sensing device instructs said actuator to reduce tension imparted by said tensing element on said cover until equilibrium is reached, and conversely, if said force is less than the equilibrium force position said sensing device instructs said actuator to increase tension imparted by said tensing element on said cover until equilibrium is reached.

3. Apparatus according to claim 1, wherein said sensing device instructs said actuator to change the tension imparted by said tensing element on said cover until said cover is at a predefined height relative to said tensing element.

4. Apparatus according to claim 1, wherein said actuator is suspended on a cable by means of a biasing device.

5. Apparatus according to claim 4, wherein said force changes a position of said actuator relative to said biasing device.

6. Apparatus according to claim 1, wherein said sensing device comprises a plurality of limit switches.

7. Apparatus according to claim 1, wherein said cover comprises at least one of a floating cover and a geomembrane.

8. Apparatus according to claim 1, wherein said tensing element is connected to said cover by means of an elastic connecting member.

9. Apparatus according to claim 1, wherein said tensing element is connected to said supporting structure via a ball joint.